



L3HARRIS™
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C99 SERIES AIRBORNE/GROUND/SHIPBOARD/ MOBILE SATELLITE COMMUNICATION ANTENNA

L3Harris' C99 Series (military nomenclature AS-3439/G) has been designed to maintain ultrahigh frequency satellite communication links during ground, helicopter, shipboard or mobile operations where the satellite intercept angle is constantly varying or unknown. The C99 Series of antennas present a unique, low-silhouette configuration, which produces a very broad beam radiation pattern with minimal gain variation over the entire upper hemisphere. Right-hand circular polarization (RHCP) is maintained throughout the hemisphere. The C99 Series features other design parameters that complement its deployment. These units are constructed of lightweight materials for ease of handling and mounting and are provided with lightning protection. All configurations require the use of a load termination.

ELECTRICAL							
	C99-2	C99-4	C99-5	C99-6	C99-11	C99-15-1	C99-16-1
Frequency range (MHz)	225 – 400	244 – 318	225 – 400	244 – 318	225 – 400	244 – 318	225 – 400
VSWR	1.5:1						
Gain	+2.0 dB nominal relative to circular isotropic						
Impedance	50 Ohms nom						
Polarization	Right-hand circular						
Radiation patterns	Hemispherical (see graph)						
Load termination	-002	-001	-002	-001	-002	-001	-002
Power handling	200 watts CW						
MECHANICAL							
Connector							
Input	N	N	N	N	N	N	N
Load	TNC	N	TNC	N	TNC	N	TNC
Lightning protection	MIL-B-5087						
Weight (lbs)	13	7	13	7	15.5	8.4	20
Finish	Olive drab	Black	Olive drab	White	Primer or Black	Black	Black
ENVIRONMENT							
Deployment	Shelters	Helicopter	Trains	Helicopter	Helicopter	Shipboard	Shipboard
Qualification	MIL-STD-810C						
Military nomenclature: C99-2	AS-3439/G						
Available options							
1200018-001	N connector						
1200018-002	TNC connector						



C99-2



C99-4

KEY FEATURES

- > Low profile
- > Hemispheric pattern coverage
- > RHCP polarization
- > External load termination

For further details and specifications, contact the factory at antenna.info@L3Harris.com

C99 Series Airborne/Ground/Shipboard/Mobile Satellite Communication Antenna

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Nonexport-controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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